

Docket No.: 10559-137002
Intel Docket No.: P7876X

REMARKS

Claims 1 and 3-20 remain pending with claims 1, 7, and 15 being independent.

Applicants submit new claim 21 for consideration.

Claim 1 recites scheduling a first thread provided by multiple programmable multi-threaded engines to process a first block of data within a network packet and scheduling a second thread provided by the engines to process a second block of data within the packet prior to completing processing of the first block of data. In other words, two different threads can process different data blocks of the same packet in accordance with the recited timing.

The Examiner has rejected claim 1 as obvious based on Belkin (U.S.P. 6,373,848) in view of Allison (U.S.P. 6,373,848). Belkin describes allocating a particular thread to a request (col. 5, lines 64-66). In Belkin, one thread processes one request while another thread processes a different request. As correctly stated by the Examiner, this enables multiple requests to be processed at the same time in Belkin. However, claim 1 recites processing first and second data blocks of the **same** packet with different threads. Belkin does not describe processing different data blocks of a single packet with different threads let alone in accordance with the recited timing. Since Belkin does not provide the teaching relied upon by the Office Action, the Office Action fails to present a prima facie case of obviousness. As such, Applicants respectfully request withdrawal of the rejection of claim 1 and its corresponding dependent claims.

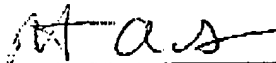
Claim 15 recites similar subject matter. Applicants respectfully request withdrawal of the rejection of claim 15 and its corresponding dependent claims.

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Claim 7 recites simultaneously processing portions of the same packet with different threads. For reasons similar to that of claim 1, Applicants respectfully request withdrawal of the reject of claim 7 and its corresponding dependent claims.

If any fees are due, please apply such fees to Deposit Account No. 06-1050 referencing attorney docket number: 10559-137002.

Dated: 2/13/06



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